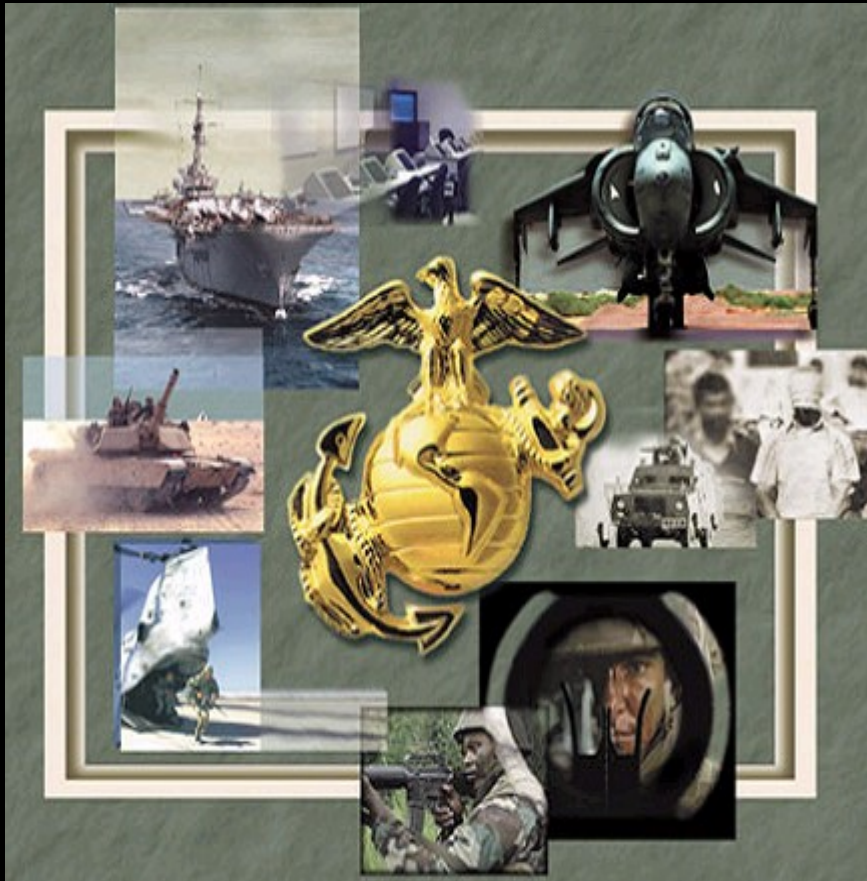# Distance Training & Education for the 21ˢᵗ Century

College of Distance Education and Training

COMMAND PRESENTATION

Marine Corps Training and Education Command Quantico, VA
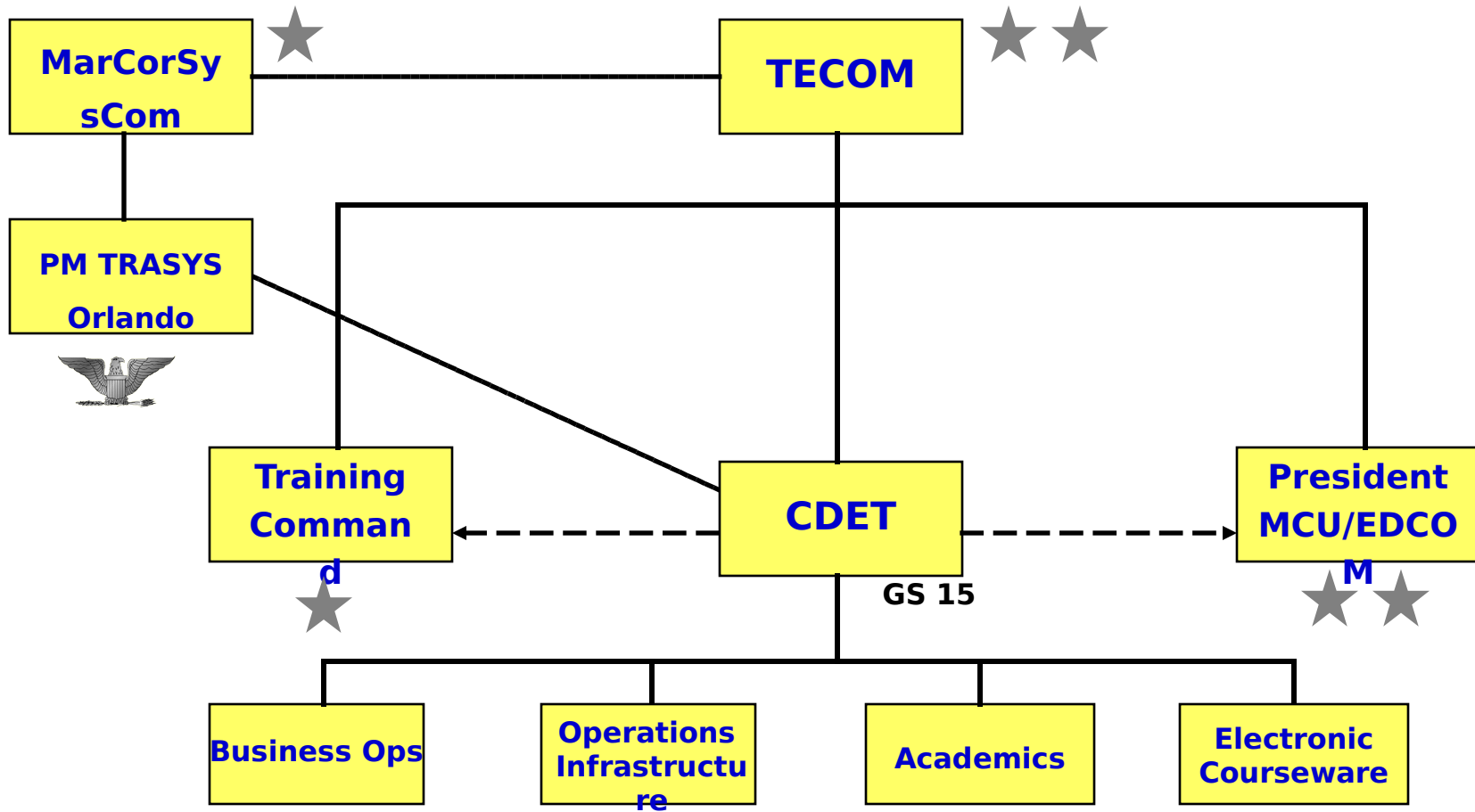
June 2010

Agenda

- Command Relationships
- Mission
- Marine Corps Distance Learning Program- What We do & How We do it
  - MarineNet
  - DL requirements
  - E-Courseware Development
  - Infrastructure
- CDET's PME Programs & Campuses
- Metrics/ROI

Command Relationships

MarCorSysCom ★

TECOM ★★

PM TRASYS Orlando

Training Command ★

CDET
GS 15

President MCU/EDCOM ★★

Business Ops

Operations Infrastructure
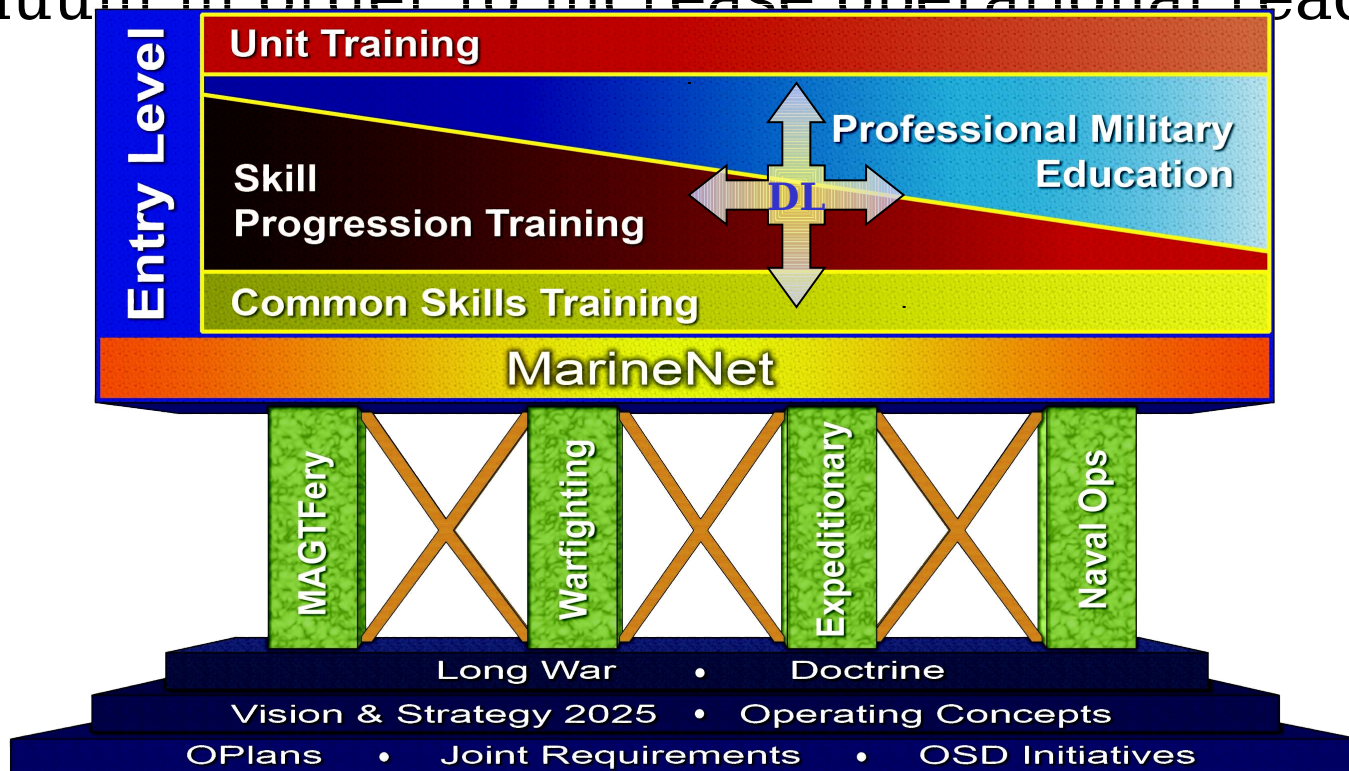
Academics

Electronic Courseware

Mission of the CDET

Design, develop, deliver, evaluate, manage and resource distance learning programs and products across the Marine Corps Training and Education Continuum in order to increase operational readiness.

What We Do

- Distance Learning
  - Service advocate for DL students with associated content design & development and resources
  - USMC advocate at DoD and Joint T&E forums
    - DoD Advanced Distributed Learning (ADL) action team
    - J-7 Distance Learning Coordination Committee (DLCC) [sub-committee to the Military Education Coordination Council (MECC)]
    - Joint Knowledge Development & Distribution Capability (JKDDC)
- Manage the MCDLP (ACAT III, IT program of record) in support of Training & Education
  - Design and develop electronic courseware
  - Identify requirements for and manage the Marine Corps Learning Management System (LMS)- MarineNet
  - Identify requirements for and manage the electronic delivery systems

Distance Learning Defined

- **Distance Learning** encompasses the design, development & delivery of instruction to students at a different time and/or place than the resident schoolhouse. The instruction provides a deliberate, accessible, interactive learning experience between the student & the instructor/course developer with delivery methods that vary from print-based to faculty & from video-teleconferencing to computer-based instruction/technologies.
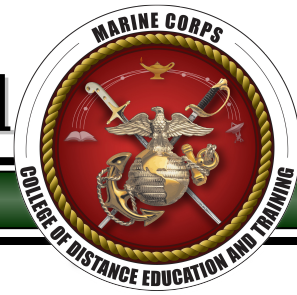
  -- adapted from CJCSI 1800.01D OPMEP.

- **Marine Corps Distance Learning (MCDL)** encompasses both distance education and training. To accomplish this, the CCE employs appropriate course design, supported by specific instructional techniques & technology. The MCDL LMS, learning support tools, and infrastructure are integrated to enroll and track student progress, deliver curriculum & course materials, enhance faculty & student interaction, assess student performance, and record graduations/course completions in MCTFS.
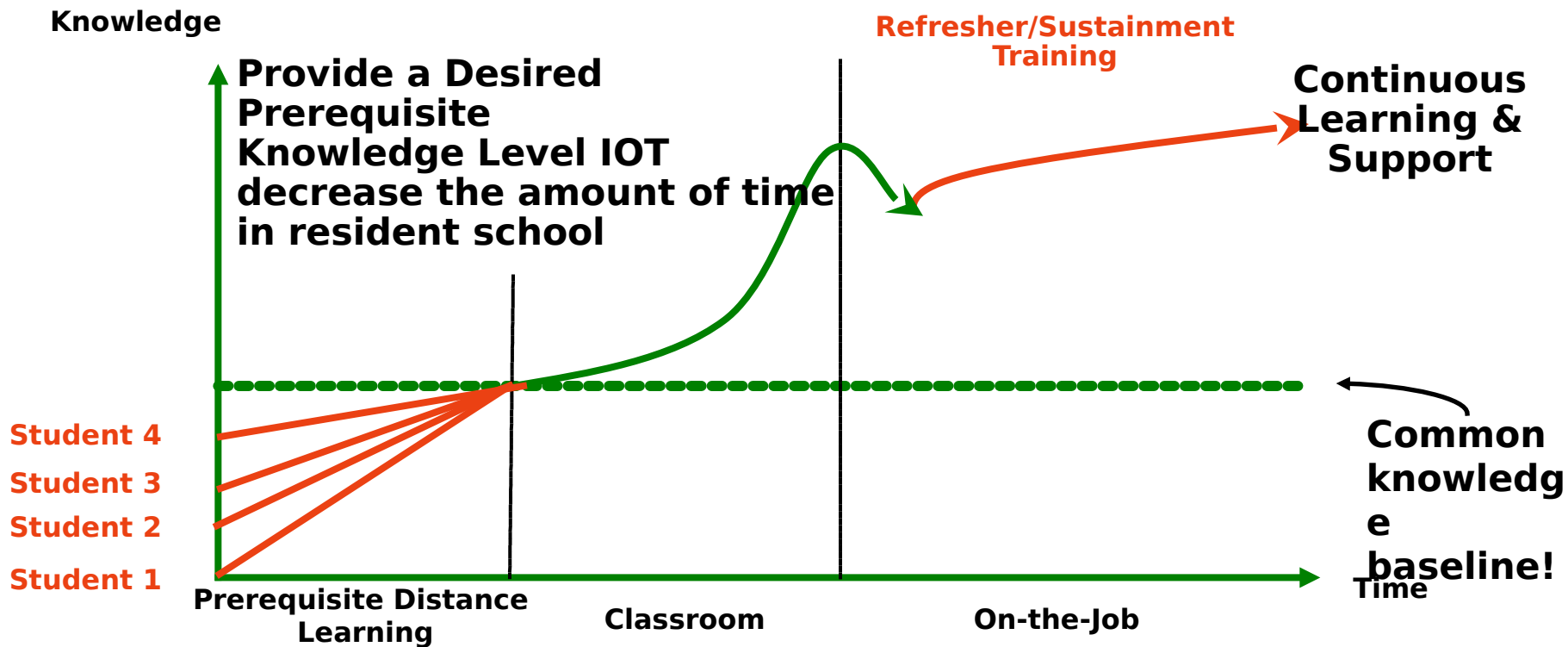
Trainers, Educators, Information and Educational Technology Specialists
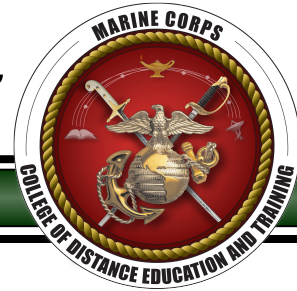
Where DL Can Be Value-added

Prerequisite Distance Learning	Instructor-Led Classroom	Distance Learning & Performance Support

Learning Continuum

Knowledge

Refresher/Sustainment Training

Provide a Desired Prerequisite Knowledge Level IOT decrease the amount of time in resident school

Continuous Learning & Support

Student 4

Student 3

Student 2

Student 1

Common knowledge baseline!

Prerequisite Distance Learning

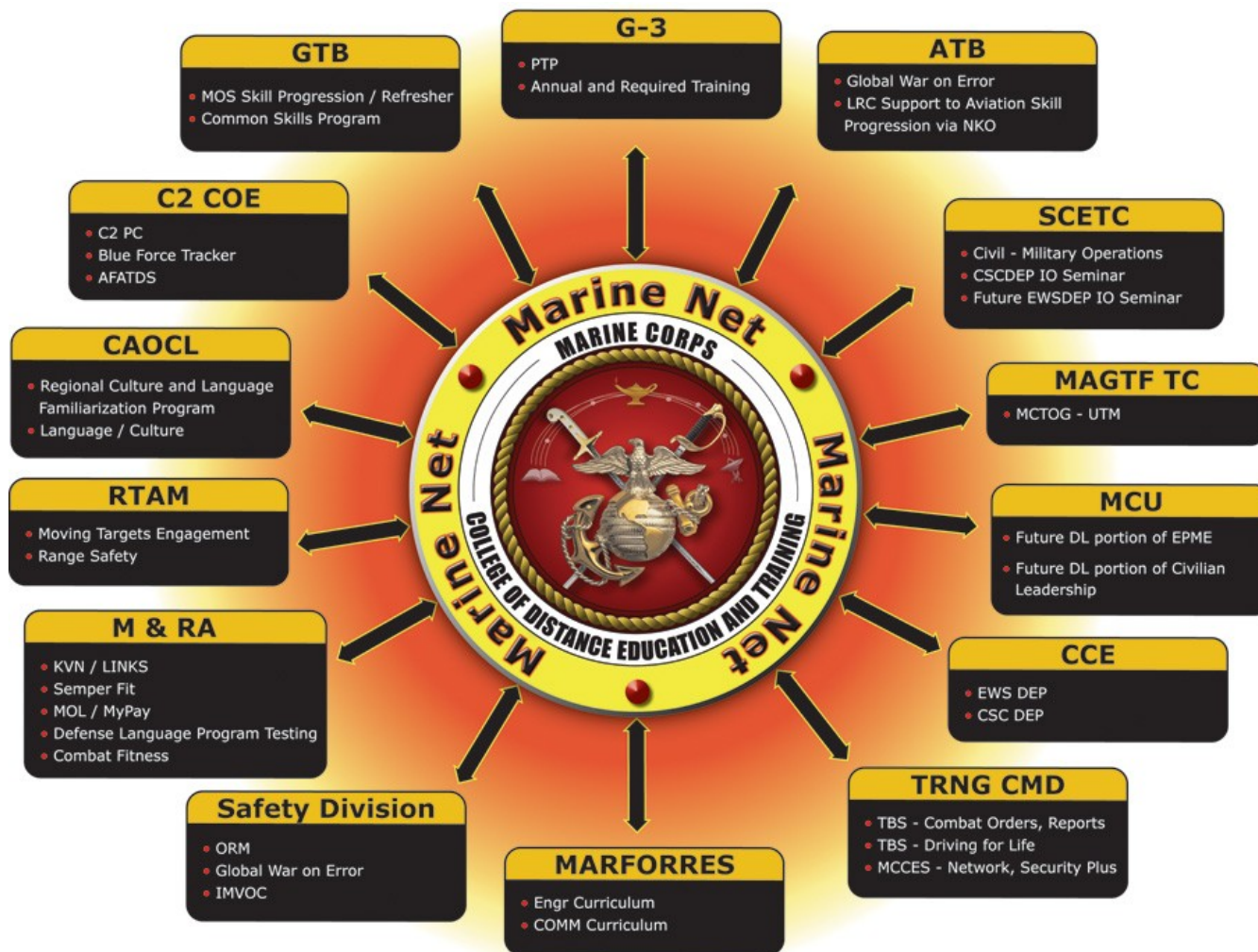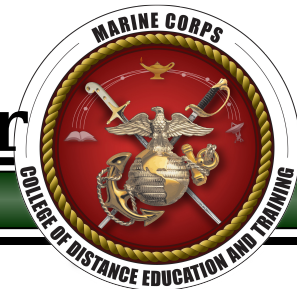**Classroom**

On-the-Job

Time

Multiple Customers; Different Needs

- DL to serve as primer before classroom instruction
  - Joint Terminal Attack Controller primer
  - Combat Lifesaver
  - Operations & Tactics Instructor Course UTM pre-work

- DL to replace classroom instruction
  - Information Assurance & Driving for Life
  - Incidental Motor Vehicle Operator's Curriculum
  - Marines Awaiting Training

- DL to fill a gap where no resident instruction exists
  - Common skills & skill progression courses trained mostly through OJT

- DL to compensate for limited resident school throughput
  - OPME DEP

- DL to serve as refresher course or initial MOS qualification for reservists
  - Combat Engineer & Comm Officer Course

MarineNet – Key T & E Enabler

GTB
- MOS Skill Progression / Refresher
- Common Skills Program

G-3
- PTP
- Annual and Required Training

ATB
- Global War on Error
- LRC Support to Aviation Skill Progression via NKO

C2 COE
- C2 PC
- Blue Force Tracker
- AFATDS

SCETC
- Civil – Military Operations
- CSCDEP IO Seminar
- Future EWSDEP IO Seminar

CAOCL
- Regional Culture and Language Familiarization Program
- Language / Culture

MAGTF TC
- MCTOG - UTM

RTAM
- Moving Targets Engagement
- Range Safety

MCU
- Future DL portion of EPME
- Future DL portion of Civilian Leadership

M & RA
- KVN / LINKS
- Semper Fit
- MOL / MyPay
- Defense Language Program Testing
- Combat Fitness

CCE
- EWS DEP
- CSC DEP

Safety Division
- ORM
- Global War on Error
- IMVOC

MARFORRES
- Engr Curriculum
- COMM Curriculum

TRNG CMD
- TBS - Combat Orders, Reports
- TBS - Driving for Life
- MCCES - Network, Security Plus

One-stop shopping for DL training & education

How are DL Requirements Generated?

- PME requirements generated via resident school POI & CCRB/CRB processes

- PTP, skill progression & other electronic training requirements generated by Operating Forces, TECOM, TRNGCMD, & HQMC organizations

- Targeting Board held in Sept-Oct annually
  - Announced by MARADMIN during summer
  - Chaired by Director, CDET
  - Members include TECOM staff, TECOM MSCs, & major training schoolhouses
  - Review requests for support (list of targets); recommended prioritized list to CG TECOM
  - Approved list (target list) becomes production plan for the CDET
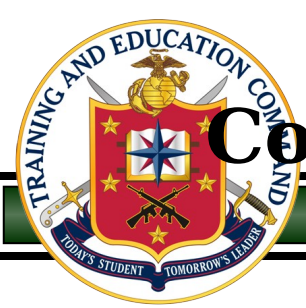
E-Courseware Development

- DL Targeting Board generates production plan
  - Analysis, design & development in-house and outsourced
  - Maximum use of GOTS and COTS where applicable
- Typically, MCDLP funds, manages, maintains and has instructional design oversight for DL products; sponsor cost is SME input
- Standards-based, SCORM conformant T&E
  - GTB, MCU & schoolhouses determine educational learning outcomes and T&R events
  - E-courseware Department determines DL design and development standards for MarineNet
  - DoDI 1322.26 prescribes SCORM technical standards and issues broad policy guidelines for all DoD

Courseware Development Partnership

Schoolhouse/Courseware Sponsor (SME)

Courseware Developer

Schoolhouse Commander ↔ Director, CDE

College of Distance Education and Training
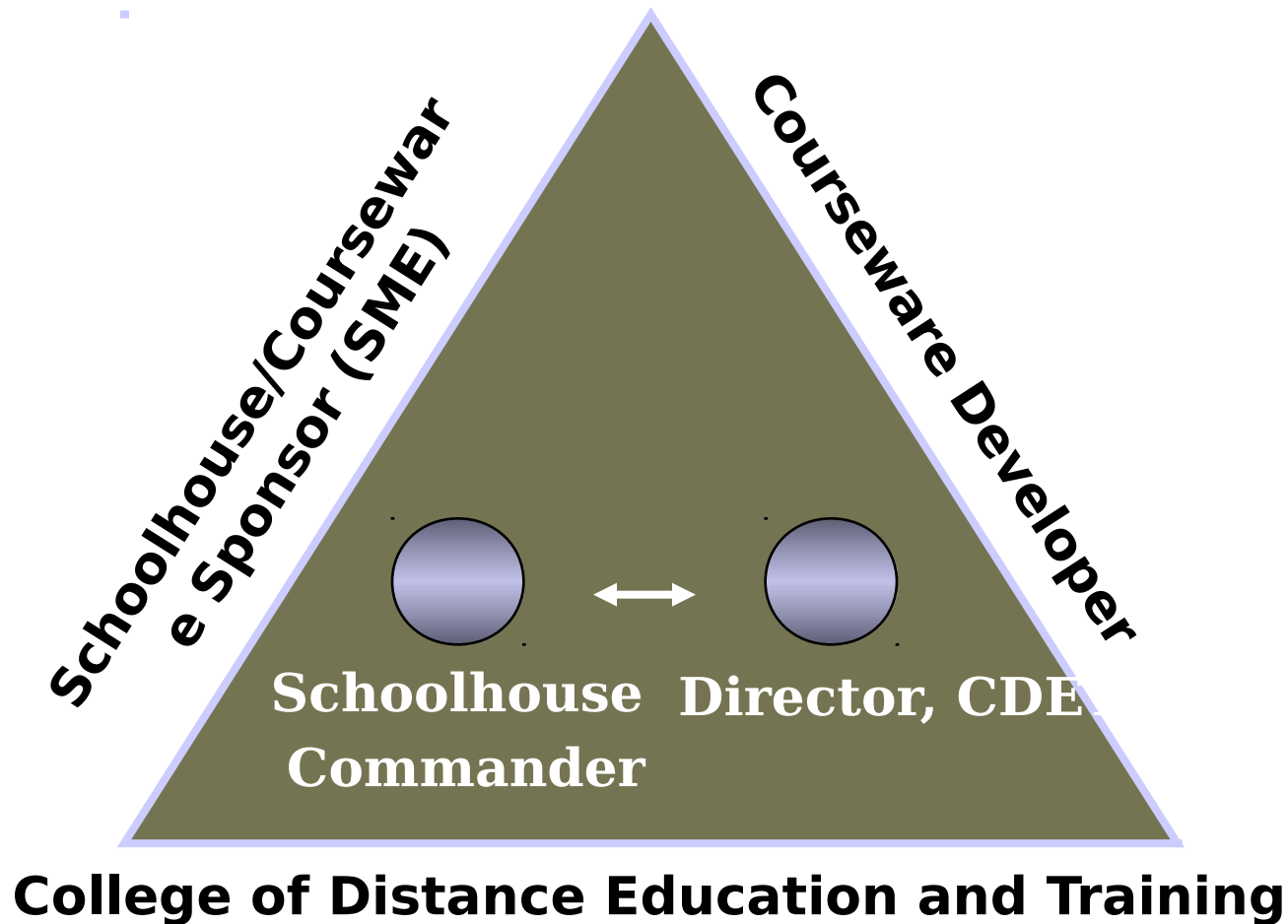
Courseware Development- Snapshot

Over 2000 electronic courses
- **over 230 custom-built courses for USMC requirements**
  - **70% of Block 1a and 1b PTP requirements**
  - **knowledge and skill progression T&E**
  - **common skills training**
- **over 100 sister service and joint courses**
- **over 2000 COTs courses**

M240G Machine Gun

| Menu | Resources | Help | Replay | Show Text | Back | Next | Exit |
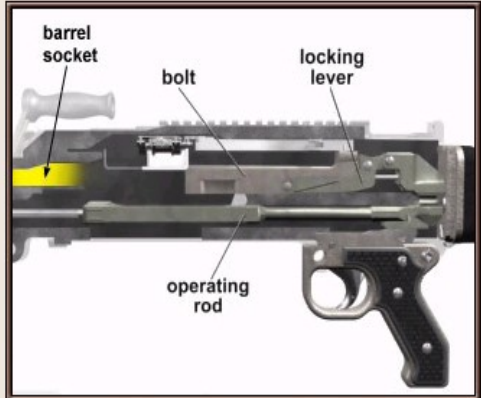
Module 4 > Lesson 2 > Cycle of Operation > Steps in the Cycle of Operation   Screen 8 of 55

Steps in the Cycle of Operation
Step 5 - Unlocking

During unlocking:

- After the projectile passes the gas port, part of the gases enter the gas cylinder

- The gases enter the gas piston, forcing the operating assembly to the rear, providing the power for the remaining steps

- The operating rod moves rearward, independent of the bolt

- The locking lever swings to the rear, carrying the bolt to its unlocked position

- The locking lever then clears the barrel socket

barrel socket
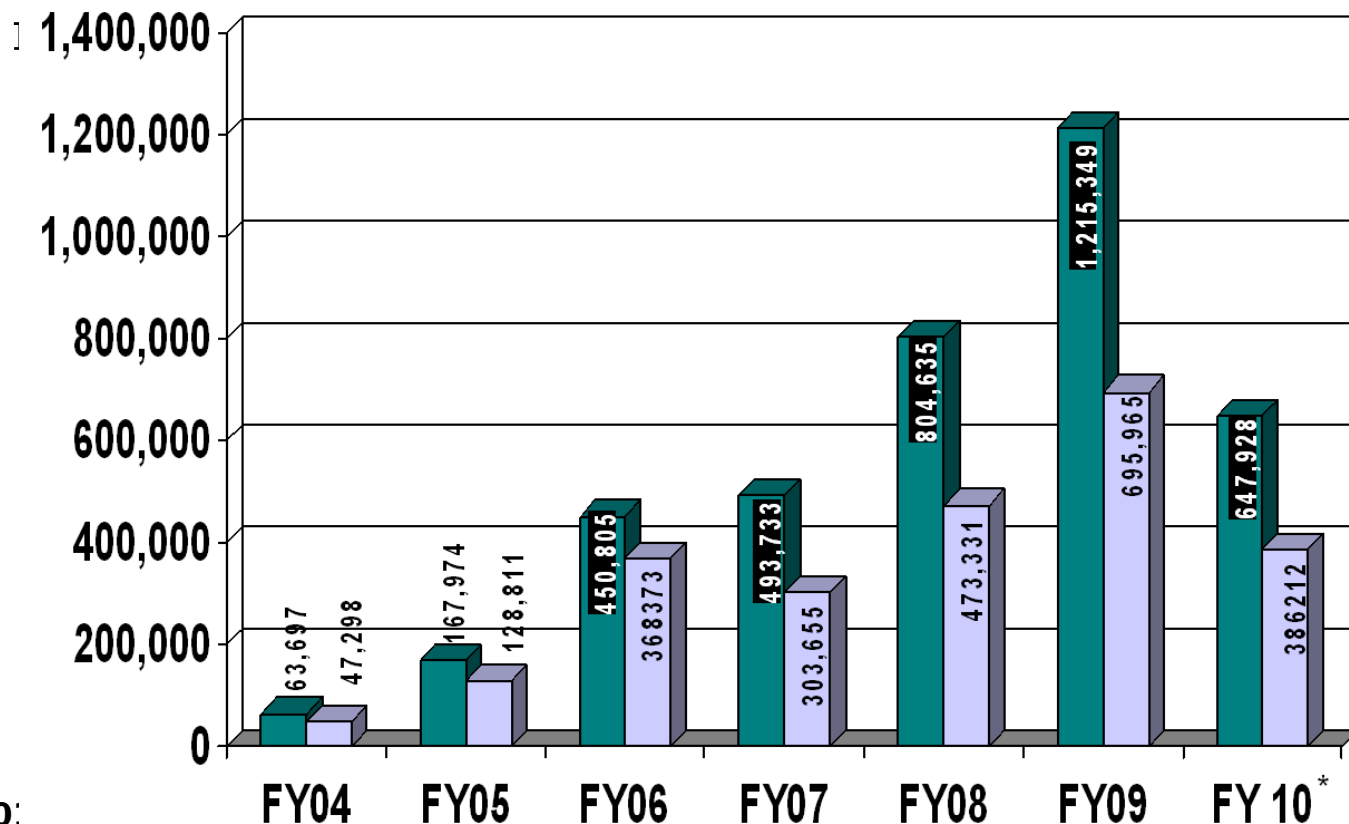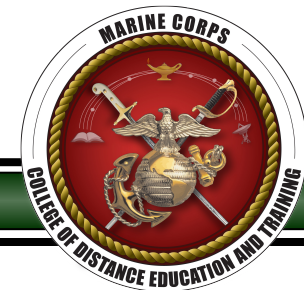bolt
locking lever
operating rod

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Bottom Line

MarineNet recorded and passed to MCTFS over 650,000 completions/graduations of distance training & education courses/programs by Marines during the past year. This included **over 1600 graduates** of our officer distance education programs. We are on track to exceed those

Legend:
- Enrollments
- Completions

	FY04	FY05	FY06	FY07	FY08	FY09	FY 10*
Enrollments	63,697	167,974	450,805	493,733	804,635	1,215,349	647,928
Completions	47,298	128,811	368373	303,655	473,331	695,965	386212

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How We Do It!

Home/Work Computer
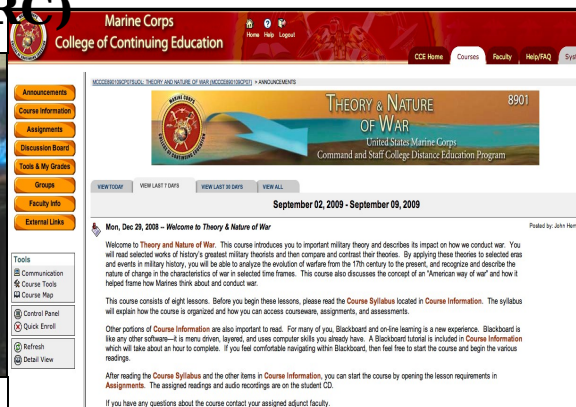
Learning Resource Centers (LRC)

Onsite Seminars

Deployable LRC (DLRC)

Video Teletraining (VTT)

Online Seminars
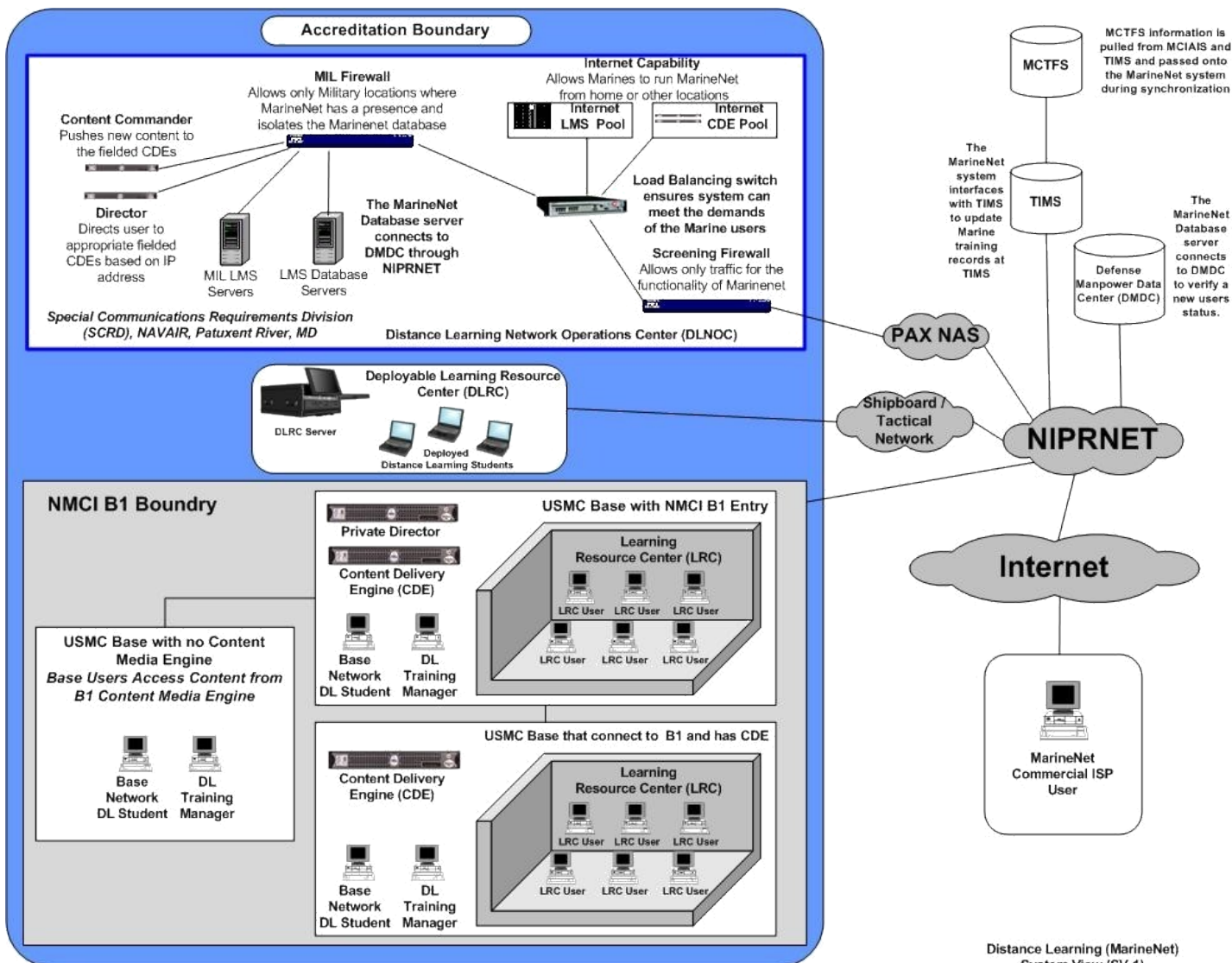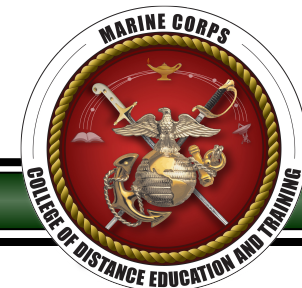
MarineNet offers…

- **On-line enrollment – CAC card verification or Password**

  - **Active & Reserve (All Services)**

  - **Family Members**

  - **DOD Civilians**

- **On-line testing (Enforce proctor if required)**

- **Training Manager**

- **Progress reporting for units and Marines**

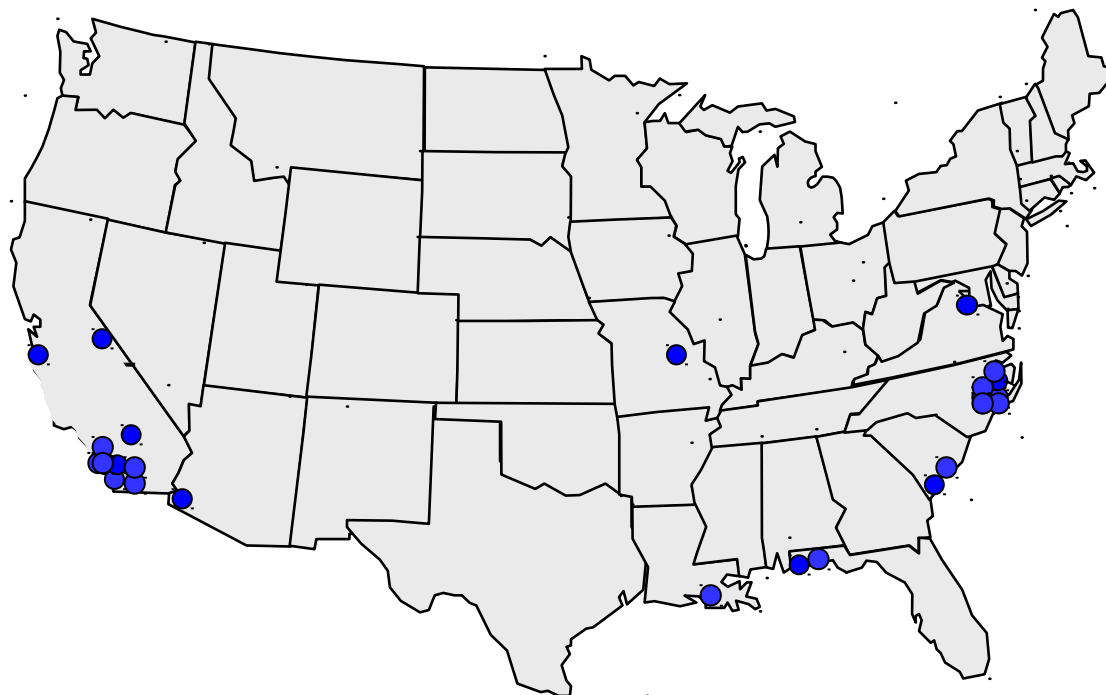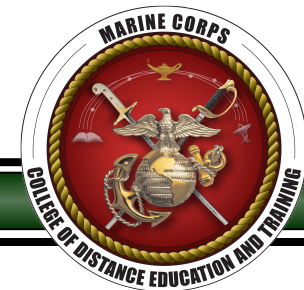- **MarineNet   MCTIMS   MCTFS data transfers**

MarineNet Architecture

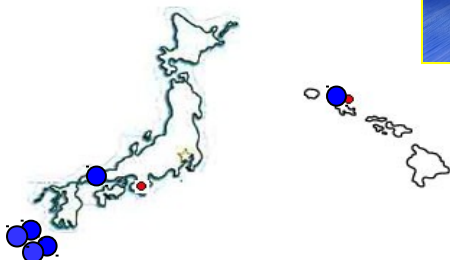Distance Learning (MarineNet)
System View (SV-1)

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Learning Resource Centers

CDEs

Japan / Hawaii

MCRD Parris Island
Fort Leonard Wood

MCAS Miramar, CA
MCAS, Iwakuni (2)
MCB Camp Butler, Okinawa (4)
MCAS Cherry Point NC
MCB Hawaii

MCB Camp Lejeune NC (8)
    SOI (E)
    Engr. School
    MCCSSS
MCAS New River NC (2)
MCB Camp Pendleton CA (10)
    SOI(W)
MCB Quantico VA
MAGTFTC 29 Palms CA (2)
MARFORRES New Orleans LA
MCRD San Diego, CA
MCAS Yuma, AZ
MWTC Bridgeport, CA
MARDET Corry Station, Pensacola,
MATSG-21, Pensacola, FL
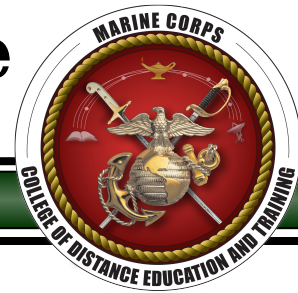**MCAS Beaufort, SC**
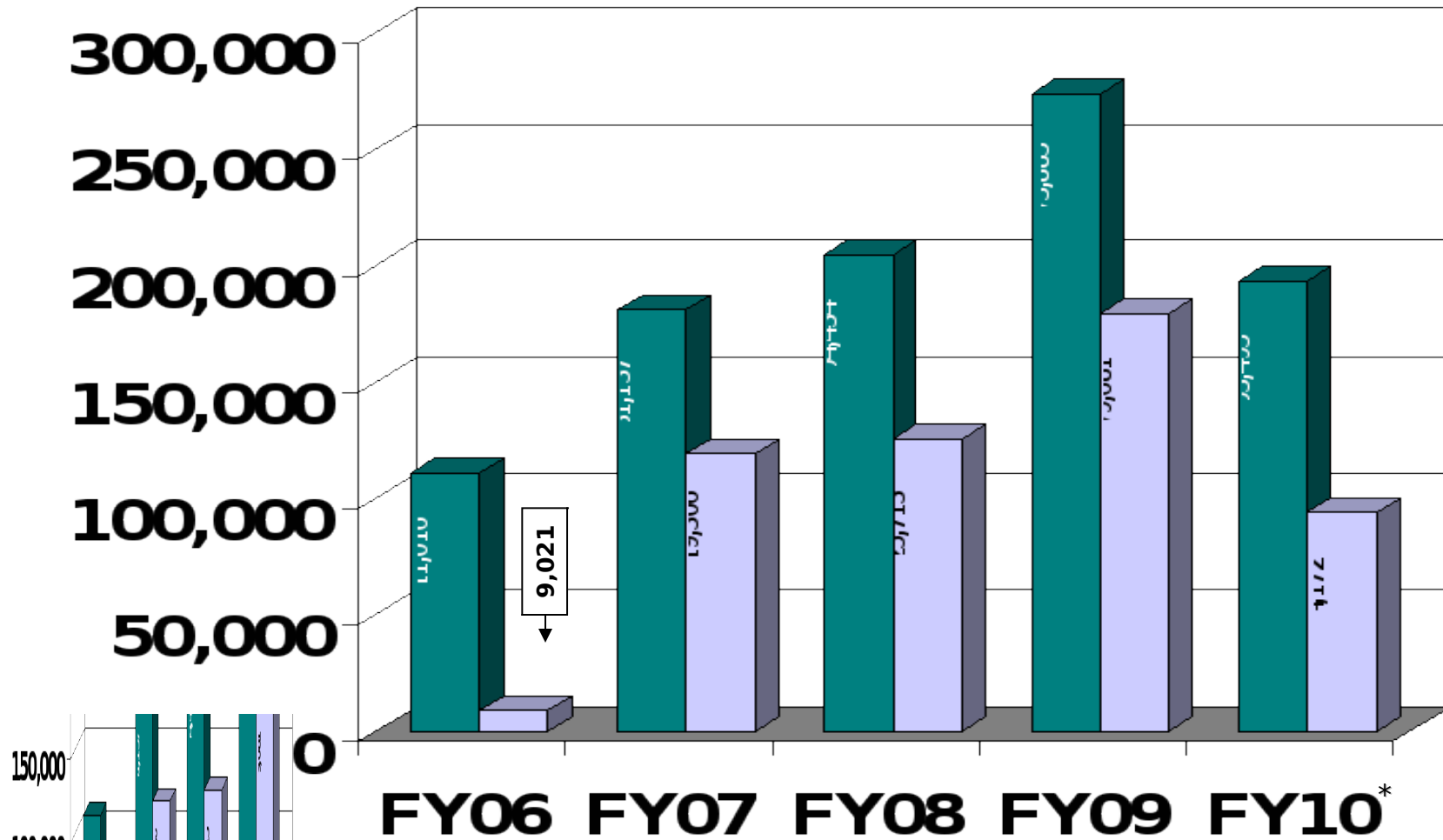
*As of Feb 2010

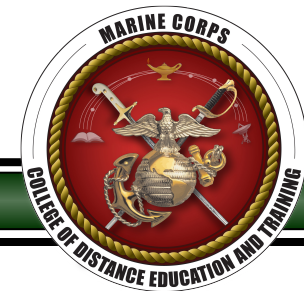# Deployable Learning Resource Center

Fielded Capability:

- 18 I MEF
- 18 II MEF
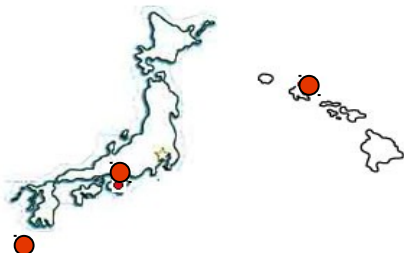- 7 III MEF
  - 4 Okinawa
  - 3 Hawaii
- 4 MARFORRES

– Self-contained electronic training support system

– Compatible with shipboard, expeditionary environments & tactical networks

– Full MarineNet training management

– Base maintains for issue to deploying units

Video Teletraining Centers

Japan / Hawaii

SEMINAR EXPANSION

MAGTFTC, CA (2)
MCAS, Cherry Point, NC
MCAS, Iwakuni, JA
MCAS, Miramar, CA
MCAS, Yuma, AZ
MCB Camp Lejeune, NC (3)
MCB Camp Pendleton, CA (3)

MCB, Hawaii
MCB, Okinawa, Japan (4)
MCB, Quantico, VA (5)
MCLB Barstow, CA
MCRD, San Diego, CA
Henderson Hall, Arlington, VA
NAS Pensacola, FL
Dallas/Ft Worth, TX
MWTC, Bridgeport, CA

Quantico – USNA
        - Ft Meade
        Pensacola – Meridian
        Camp Pen – Bridgeport
        - 29 Palms
        Miramar- RS Portland

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Business Ops Dept.

```
                    ┌─────────────────┐
                    │  Business Ops   │
                    │   Dept Head     │
                    └─────────────────┘
         ┌─────────────────┼─────────────────┐
┌────────────────┐ ┌────────────────┐ ┌────────────────┐
│   Bus-Ops      │ │    Budget      │ │   Outreach     │
│  Admin Chief   │ │   Analyst      │ │  Coordinator   │
└────────────────┘ └────────────────┘ └────────────────┘
         │
┌────────────────┐
│     Admin      │
│   Assistant    │
└────────────────┘
```

Department Functions:
- Resource Planning & Mgt
- Financial Mgt
- Contract Mgt
- Personnel Mgt & Administration
- TRASYS Coord (CLS/DLNOC)
- Outreach

OPME Distance Education Programs

Command and Staff College Distance Education Program

Expeditionary Warfare School Distance Education Program

Desired End state

100% of CSCDEP and EWSDEP students provided access to, and graduate from a current and relevant seminar-based, distance education program of instruction; guided by skilled adjunct faculty; where numerous opportunities are provided for students to demonstrate both their mastery of the course content, and hone their ability to think creatively and critically about the challenges the Country, the U.S. Armed Forces and the Marine Corps will face during the 21st Century.

Officer Distance Education Programs

- Extends PME & JPME CLS & ILS (phase 1) accredited programs beyond the resident schoolhouses

- Guided by the OPMEP (CJCSI 1800.01D) , MCO 1553.4B & TECOM Policy Letter 2-09
  - "derived from and parallel to"
  - ensure learning areas, standards, and learning outcomes are sufficiently addressed/attained
  - adhere to MCU policy, content direction and procedures

- CDET DE Delivery options recognized by CJCS as "Best Practices" at Sept 2008 JPME reaccreditation
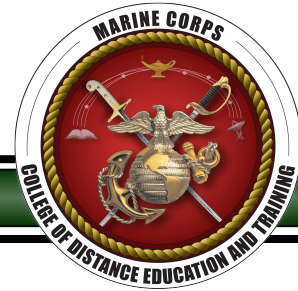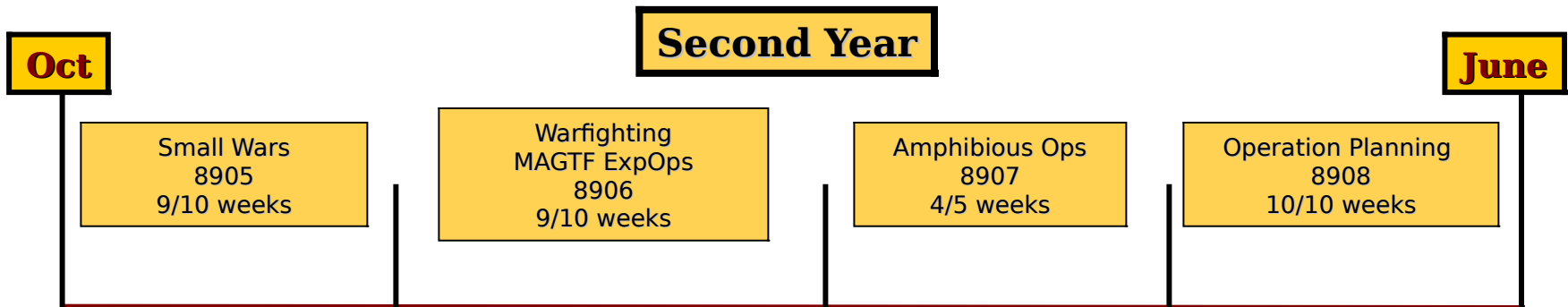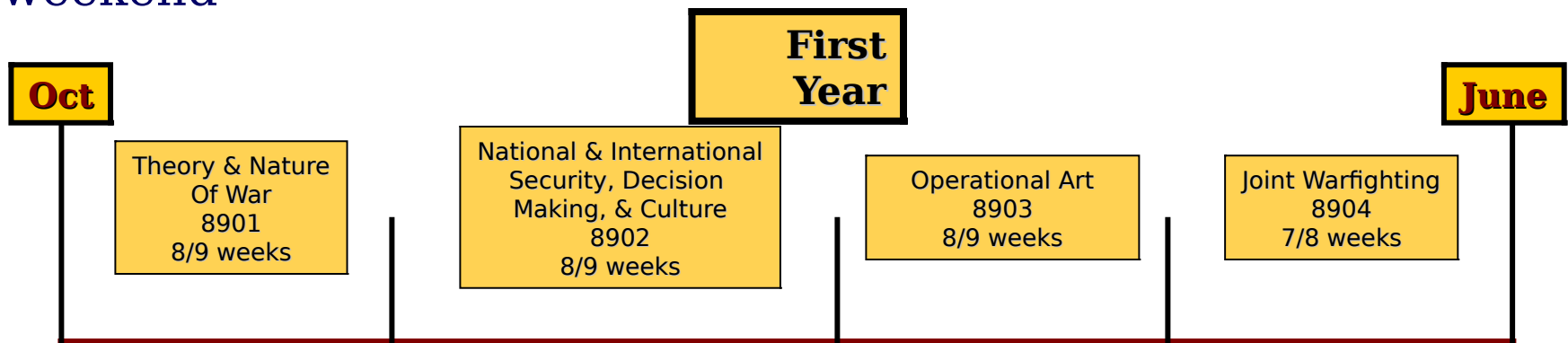
OPME (continued)

- Centralized courseware development at Quantico
  - Course Directors/developers co-located with resident counterparts at Breckenridge & Geiger Halls
  - Single CSCDEP & EWSDEP curriculum for the Total Force
- 2 year construct for curriculum; adapted for a variety of accredited delivery options
  - On-site seminar satellite classes (weekday or weekend)
  - On-line seminars
  - ADL mode -- Interactive E-courseware
  - Expeditionary – worldwide delivery ashore & afloat using combination of delivery options
- 1 year Blended seminar (combines resident & non-resident seminars)
  - Scalable & flexible to operational demands
  - Enriches & increases the time allowed for practical application exercises
  - Shares the time burden to complete the POI between student & institution
  - International officer option

CSCDEP 2 -Year Construct

- A seminar based program offered online or on-site, weekday or weekend

First Year

Oct .... **June**

| Theory & Nature Of War 8901 8/9 weeks | National & International Security, Decision Making, & Culture 8902 8/9 weeks | Operational Art 8903 8/9 weeks | Joint Warfighting 8904 7/8 weeks |

Second Year

Oct .... **June**

| Small Wars 8905 9/10 weeks | Warfighting MAGTF ExpOps 8906 9/10 weeks | Amphibious Ops 8907 4/5 weeks | Operation Planning 8908 10/10 weeks |

EWSDEP 2-Year Construct

- Primarily a seminar based program with an Independent Guided Studies option for Marine Corps Captains/CWO-3 and above.

First Year

Oct   **June**

Warfighting 8651 9 weeks	Information Management 8652 3 weeks	MCPP 8653 6 weeks	MAGTF Ops Ashore 8654 (Part I) 14 weeks

Second Year

Oct   **June**

MAGTF Ops Ashore 8655 (Part II) 14 weeks	Expeditionary Ops 8656 (Part I) 13 weeks	Expeditionary Ops 8657 (Part II) 6 weeks

From Concept to Capability

- Blended seminar CSCDEP International Officer seminar
  - SCETC funded to meet SCETC requirement
  - CSCDEP designed, developed, and delivered
  - Combines resident & non-resident education in one year construct
  - Pilot course in 2007- one seminar with 9 Marines and 9 International officers
  - 3rd course now underway- two seminars of 24 students (added sister service and civilians to the mix)
- EWSDEP version of same concept in development- pilot scheduled for October 2010
- Equal ratio of US & International officers facilitates unique perspectives and interaction
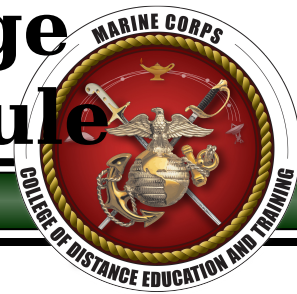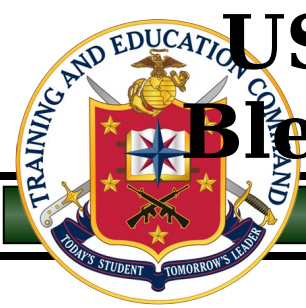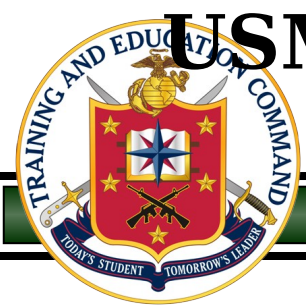
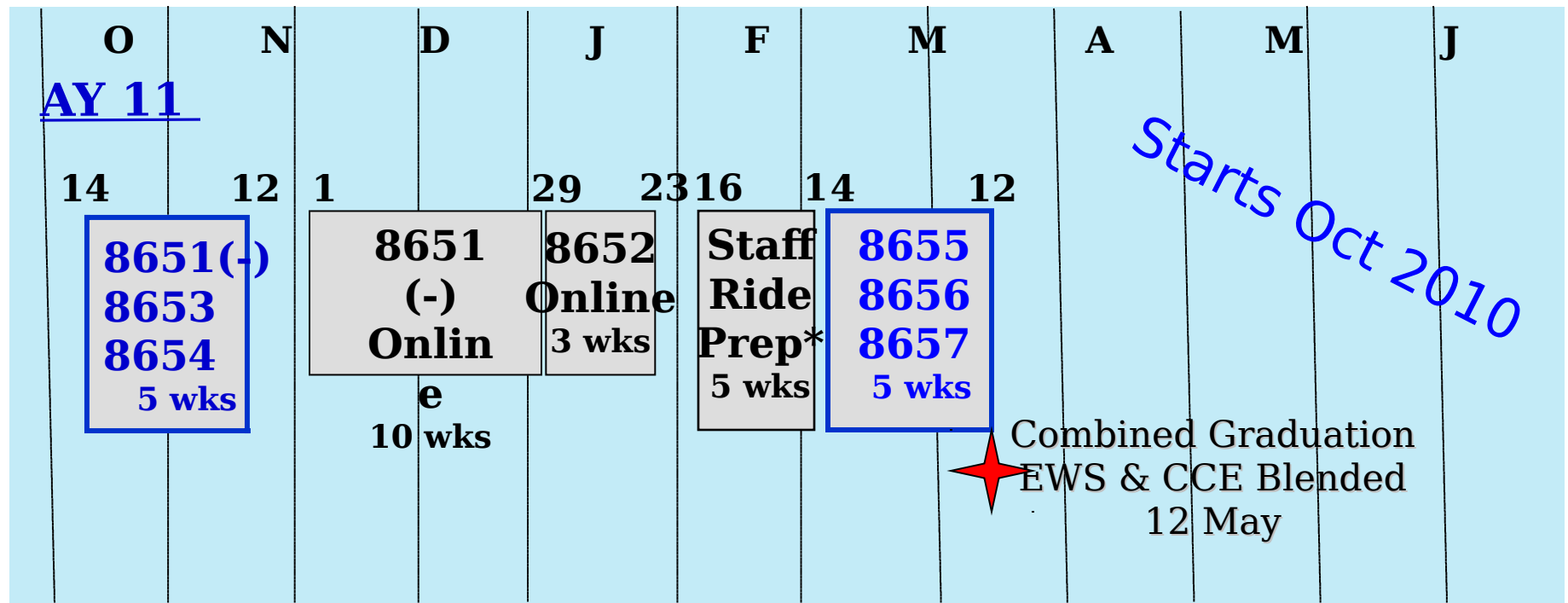# USMC Command and Staff College Blended Learning Seminar Schedule

O	N	D	J	F	M	A	M	J	J

AY 09

8901 8902 5 wks

8903 Online 9 wks

AY 10

8904 Online 9 wks*

8905 Online 10 wks

8906 8907 8908 Grad. 6 wks

Combined Graduation CSC, SAW, CCE Blended, & MCWAR

8901: Theory & Nature of War
8902: National & International Security Studies
8903: Operational Art
8904: Joint Warfighting
*: 1 week off for Thanksgiving

8905: Small Wars
8906: MAGTF Expeditionary Operations
8907: Amphibious Operations
8908: Operations Planning

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USMC EWS International-U.S. Officer Blended Seminar Schedule

O	N	D	J	F	M	A	M	J

AY 11

Starts Oct 2010

| 14 | 12 | 1 | 29 | 23 | 16 | 14 | 12 |

8651(-)
8653
8654
5 wks

8651 (-) Online
10 wks

8652 Online
3 wks

Staff Ride Prep*
5 wks

8655
8656
8657
5 wks

Combined Graduation
EWS & CCE Blended
12 May

8651(-): Warfighting (8 lessons)
8653: Marine Corps Planning Process
8654: MAGTF Operations Ashore I
8651(-): Warfighting (6 lessons)
8652: Information Management

Staff Ride Preparation: Gettysburg independent work
8655: MAGTF Operations Ashore II
8656: Expeditionary Operations I
8657: Expeditionary

International Participants

Bahrain

Bangladesh

Canada

Iraq

New Zealand

Philippines

Saudi Arabia

Slovakia

Sweden

Ukraine

34 International officers over 3 years
in blended seminar program

Republic of Korea*

* Onsite seminars in Korea

OPME (continued)

- Centralized student enrollment and tracking at CDET Operations and Infrastructure Dept
  - All students enroll via MarineNet LMS
  - Graduations passed to MCTIMs and MCTFS
- Decentralized execution of delivery at 8 regional campuses, 40(+) satellite seminars & across the globe via online seminars
  - All students receive course syllabus, course materials, take exams & conduct online collaborative work on Blackboard learning support suite

CCE REGIONAL CAMPUSES

Map labels: Camp Pendleton, Miramar, Okinawa, Hawaii, Quantico, Norfolk, Camp Lejeune, Fort Worth, Pensacola

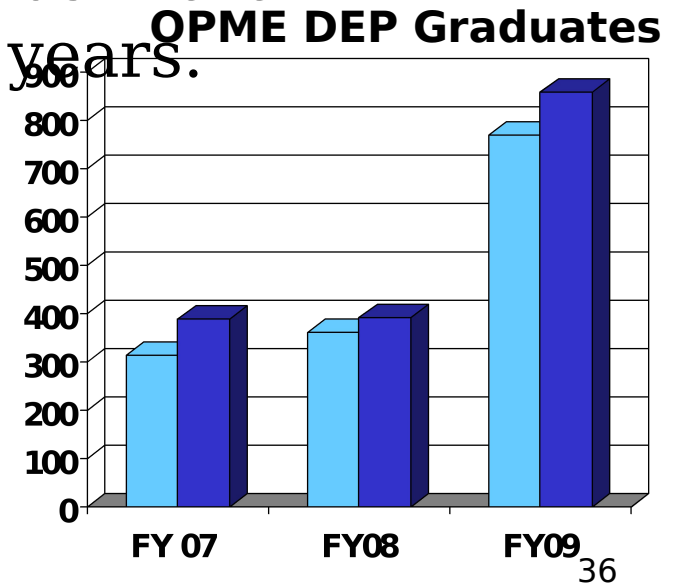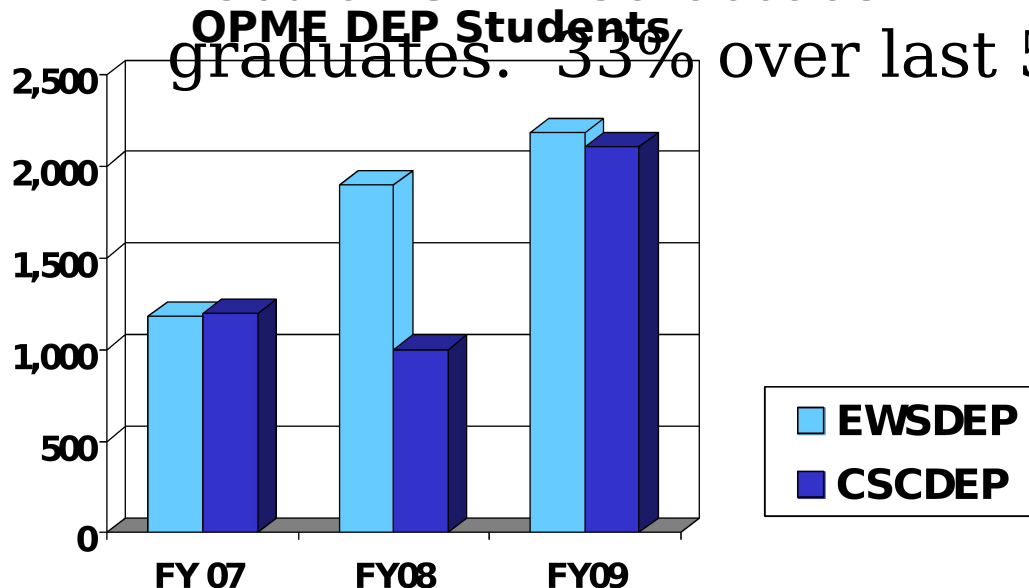| Camp Lejeune	Camp Pendleton	Fort Worth	Hawaii	Miramar	Okinawa	Pensacola	Quantico
RC	RC	RC	RC	RC	RC	RC	RC
RCI-CSC	RCI-CSC	RCI-CSC	RCI-CSC	RCI-CSC	RCI-CSC	RCI-CSC	RCI-CSC
RCI-EWS	RCI-EWS	RCI-EWS	RCI-EWS	RCI-EWS	RCI-EWS	RCI-EWS	RCI-EWS
Admin Asst.	Admin Asst.	Admin Asst.	Admin Asst.	Admin Asst.	Admin Asst.	Admin Asst.	Admin Asst.

OPME (continued)

- Blackboard Learning Support Suite (Bb)
  - 24/7 faculty-student communication
  - Courseware delivery
  - Online collaboration (asynchronous) thru discussion boards
  - Quizzes, essays, writing assignments, planning products

- Bb currently supports:
  - CSCDEP/EWSDEP - seminar and faculty development
  - CDET Online Writing Center - writing materials and tutoring

  - TRNGCMD
    - Supply School - testing
    - Meteorology School - seminar
  - MCU/EDCOM
    - VPAA (Instructor orientation course)
    - Lejeune Leadership Institute - discussion and communication with fellows
    - MCWAR- piloting
    - CSC - piloting
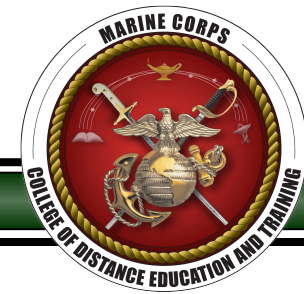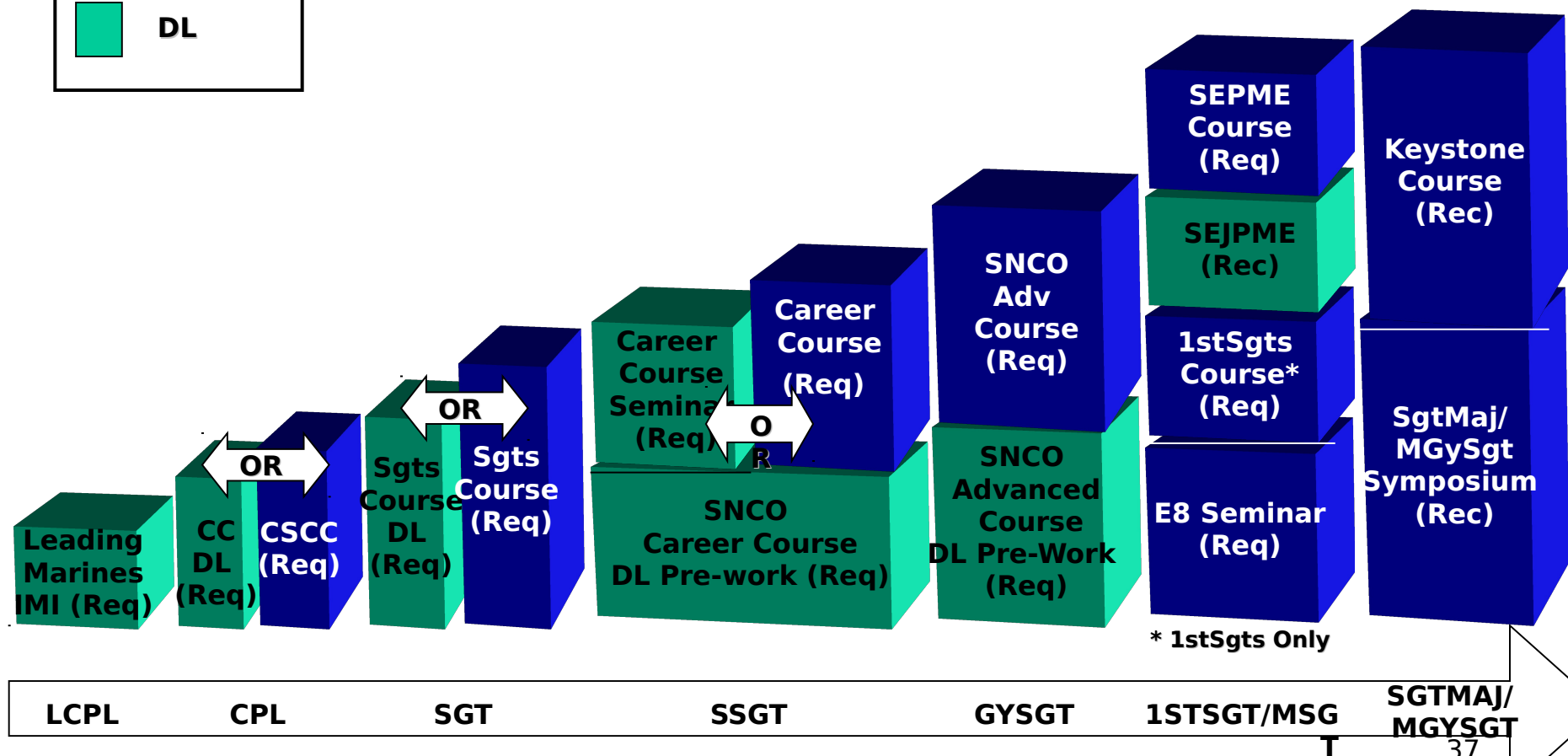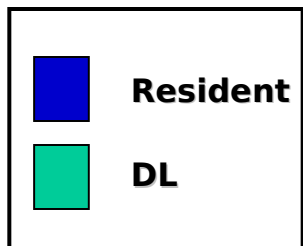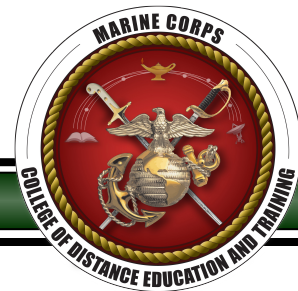
Business is Booming

- Over 4500 CSCDEP & EWSDEP (combined) students enrolled and over 1600 DEP graduates during AY09
  - Forecast over 5000 students & 230 seminars in AY-10
- 45% of SAW selectees in AY-09 were DEP graduates. 33% over last 5 years.

OPME DEP Students

OPME DEP Graduates

Legend: EWSDEP, CSCDEP

Proposed EPME Continuum

Legend:
- **Resident**
- **DL**

Leading Marines IMI (Req)

CC DL (Req) OR **CSCC (Req)**

Sgts Course DL (Req) OR **Sgts Course (Req)**

Career Course Seminar (Req) OR **Career Course (Req)**

SNCO Career Course DL Pre-work (Req)

SNCO Adv Course (Req)

SNCO Advanced Course DL Pre-Work (Req)

SEPME Course (Req)

SEJPME (Rec)

1stSgts Course* (Req)

E8 Seminar (Req)

Keystone Course (Rec)

SgtMaj/ MGySgt Symposium (Rec)

* 1stSgts Only

| LCPL | CPL | SGT | SSGT | GYSGT | 1STSGT/MSGT | SGTMAJ/ MGYSGT |

Future Progress

- Continue to expand support for the OPFOR pre-deployment training program (PTP)

- Continue modernization and improvement of MarineNet architecture and infrastructure

- Continue to expand MarineNet hosting service:
  - MarineNet Regional Culture and Language Familiarization (RCLF) Program
  - EPME distance education courses
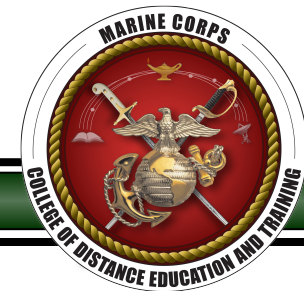 - Civilian Marine Leadership courses

Future progress

- Earn 6 year PAJE accreditation of on-line and blended seminar options in Sept 2010

- Expand MOU btw CDET and Univ of Oklahoma to grant Master's Degree credit for CSCDEP completion to other major universities

- Pilot asynchronous seminars with EWSDEP during AY10

- Pilot the 1st EWSDEP International officer blended seminar- commences Oct 2010

- Incorporate additional learning technologies to enhance learning outcomes
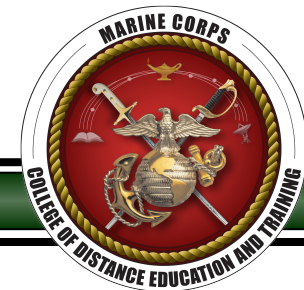
CCE Process Metrics

| Key Process Metrics	Objective/Definition
Graduation	Intermediate and Career level PME graduates who are capable and qualified to fill command and staff billets in their MOS and in other appropriate command and staff assignments; Level I JPME certification for CSCDEP graduates. [1600 (+) graduates during AY 09]
Course Completion	Marines trained or educated to accomplish PTP, MOS, PME, common skills, and other tasks as required by T&R event(s) or learning outcomes IOT increase individual and unit readiness. [Over 650,000 completions during FY 09]
Process for Accreditation of Joint Education	JPME Phase 1 Accreditation [Cited by JCS PAJE Team for best practices for distance education delivery practices after Sept 2008 PAJE]
Student Performance Indicators	Eighty per cent or above performance for Intermediate level school outcomes and Joint PME objectives.
Resources optimally obligated	MCDLP and ODMEP Ninety-nine per cent obligated

CCE Process Metrics

| Key Process Metrics	Objective/Definition
Seminar Enrollments	Access to high quality DPME programs for all required officers. [Over 4000 enrollments during AY 09. Increase of 100% since AY 03.]
MarineNet Course Enrollments	Access to e-courseware for Marines worldwide via commercial and military networks. [Over 1 Million enrollments during FY 09.]
LRC Usage	Access to e-courseware and exam proctoring for Marines and small units that do not typically have access to networked computers. [Current usage-- 22,000+ per month; over 273,000 for 2008-09]
VTT Usage	Access to PME seminars, college classes, and training classes from multiple remote sites throughout the Marine Corps. [Over 4600 patrons during AY09]
DLRC Usage	Access to e-courseware for deployed Marines afloat and ashore. [MTSD DVTE integration with DLRC; work in progress]

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Questions?
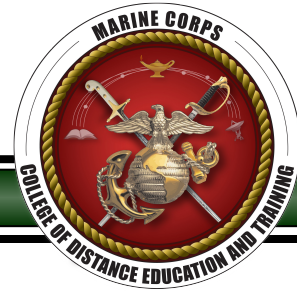
**College of Distance Education and Training
(Located in TECOM Annex)
2300A Louis Rd**

**Training and Education Command
Quantico, Virginia**

**(703) 784-2999
(DSN) 278-2999**

**www.tecom.usmc.mil/cdet
www.marinenet.usmc.mil**

Distance Training & Education for the 21st Century
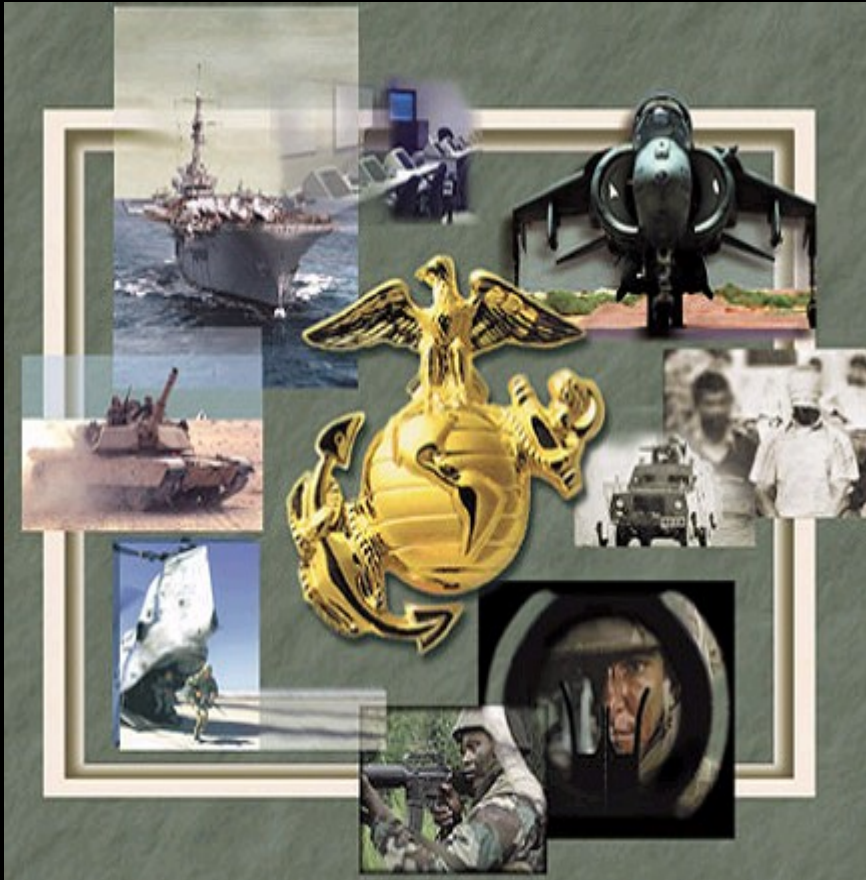
Back up

Future Progress: Technology

- Technology priorities:
  - Additional online materials to include IMEs
  - Video lectures
  - Audio books
  - Elluminate/DCO
  - Mobile Learning/Podcasting
  - Faculty SME searches
  - Bb building blocks
  - Wiki
  - E-Portfolios
  - Blogging
  - D2L/Moodle/Sakai
  - Virtual worlds
  - E-book readers
  - Streaming servers

Priorities based on
1. **Current Requirements**
2. **Cost vs. benefit**
3. **Resources ($$ & people)**
4. **Technology maturity**